

# INFORMATION CHECKLIST FOR DAIRY AND FEEDLOT DESIGNS DEVELOPED BY NON-NRCS ENGINEERS THAT ARE TO BE ACCEPTED BY NRCS

This checklist has been prepared to facilitate a speedy review of designs for all agricultural waste projects, and the designs for dams, ponds, and dikes associated with agricultural waste projects. The following practices are involved:

NRCS Conservation Practice Name	Code
<b>AGRICULTURAL WASTE</b>	
Anaerobic Digester, Ambient Temperature	365
Anaerobic Digester, Controlled Temperature	366
Animal Mortality Facility	316
Closure of Waste Impoundments	360
Pond Sealing or Lining - Flexible Membrane	521A
Manure Transfer	634
Monitoring Well	353
Waste Facility Cover	367
Waste Storage Facility	313
Waste Treatment Lagoon	359
Waste Water Treatment Strip	635
<b>DAMS, STRUCTURES &amp; EARTHEN EMBANKMENTS</b>	
Dam	402
Dike	356
Pond	378

The design package is to be sent to the NRCS State Conservation Engineer for review and concurrence via the NRCS District Conservationist and shall include the following as may be applicable:

Completed (signed by plan authors and producer) Comprehensive Nutrient Management Plan [ <b>REQUIRED</b> - If not submitted, or not already on file in the NRCS New Mexico State Office, the review will not be performed.]	
Design Narrative [signed and sealed]	
Description of Job (jurisdictional or non-jurisdictional dam, number and type of animals involved, storage pond for milk parlor operations, storm runoff pond, combined pond, evaporative pond, NMED Discharge Permit number, discharge flow rate)	
Hydrology (drainage area involved, runoff curve number, storm size)	
Hydraulic Design (channel, pipe)	
Pond Sizing (preferably use NRCS Pond Sizing spreadsheet)	
Structural Design (assumptions, loading conditions)	
Results of a Geotechnical/Foundation Investigation	
Soil Mechanics Design (soil classification, ground water level, organic content in foundation soils)	
Material Requirements (HDPE, EPDM, fencing, pipe, concrete)	
Survey/Layout Information (benchmarks, local or GPS coordinates and elevation)	

**INFORMATION CHECKLIST FOR DAIRY AND FEEDLOT DESIGNS DEVELOPED BY  
NON-NRCS ENGINEERS THAT ARE TO BE ACCEPTED BY NRCS**

Construction Drawings (11" x 17" preferable) [each sheet signed and sealed]		
	Cover Sheet including a location map and abbreviations	
	Vicinity Map drawn to scale including contour lines, existing facilities, existing utilities, new improvements, and layout data.	
	Cross-sections showing existing groundline and elevations of improvements.	
	Profile showing existing groundline and elevations.	
	Concrete details (if applicable)	
	Reinforcing details (if applicable)	
	Liner details (if applicable)	
	Geology data	
	Safety fencing layout and details, including warning signs	
Construction Specifications (preferably NRCS Practice Construction Specifications and preferably not bound by plastic combs or spiral binders) [cover sheet signed and sealed]		
Signed certification that the design prepared is in accordance with the applicable NRCS Practice Standards [preferably using the New Mexico NRCS job sheets - signed and sealed letter will be acceptable provided the letter states that the design was prepared in accordance with the applicable NRCS Practice Standards]		
Quantities involved (optional)		
Bid Schedule (optional)		
Cost Estimate (optional)		